

INTRODUCTION TO SURVEYS – OVERVIEW

Overview

This unit will develop students' understanding of designing, distributing, and interpreting surveys using digital tools such as Microsoft Forms or Google Forms. Students will explore how to collect, organise, and analyse data responsibly. They'll learn to formulate effective survey questions, understand the purpose of different question types, and represent data visually using tool like Excel or Google Sheets.

This unit is designed to provide real-world application of data handling, encouraging students to make informed decisions based on their findings.

National Curriculum

The areas of the National Curriculum and the key computing concepts covered in this unit are outlined in the table below:

Knowledge and understanding	Computing concepts
To select, use and combine a variety of software (including internet services) to create content that accomplishes given goals.	Digital creative and productivity tools – using software to create content and accomplish specific tasks. Systems and integration – combining different tools.
To collect, analyse, evaluate, and present data and information	Data handling and analysis – gathering data, cleaning, organising, and spotting patterns and trends. Digital literacy – how digital tools can transform data into meaningful insights.

The Computing Curriculum

Where the knowledge and understanding developed in this unit fits into the computing curriculum is outlined in the table below:

Prior Learning	Future Learning
EYFS Unit: Unplugged pictograms and branching databases	Year 6 Unit: Introduction to AI
Year 1 Unit: Introduction to data	Year 6 Unit: Reporting data with Power BI
Year 2 Unit: Word processing	
Year 2 Unit: Introduction to presenting data	
Year 3 Unit: Presentations	
Year 3 Unit: Excel logging and handling data	
Year 4 Unit: Spreadsheets	
Year 4 Unit: Binary data	
Year 5 Unit: Systems and searching	

Cross-curricular links and extension activities

This unit provides extensive opportunity for cross-curricular links in mathematics as well as other subjects. Students will develop their understanding of statistics by presenting discrete data using bar charts, line graphs, and tables. Students will carry out data comparison and interpretation spotting trends, comparing quantities, and calculating differences. There is also opportunities to extend students' understanding of averages finding the mean, median, or mode from data sets.

This unit provides cross-curricular links in English as students will create neutral, bias-free survey questions. They will develop speaking and listening skills as they present findings to the class. Students will develop their comprehension skills as they interpret their survey data and summarise it accurately.

There are opportunities for cross-curricular links in science as students can work together scientifically by gathering evidence through survey responses and interpreting results. They can develop their knowledge and understanding of scientific enquiry by linking topics like health, the environment, or materials.

There are opportunities for cross-curricular links to geography and history through fieldwork and data collection. Students may survey environmental issues. Alternatively, students may interpret social trends linking surveys to historical opinions or public behaviours.